

What is claimed is:

- 1 1. An apparatus for filtering packets sent from a
2 first network to a second network, comprising:
3 an input means coupled to said first network for
4 receiving data packets from the first network, said data
5 packets having an origination address;
6 a first buffer coupled to said input means for
7 storing said received packet;
8 a first memory segment containing a list of
9 origination addresses;
10 a second memory segment for storing a program for
11 comparing origination addresses for said received data
12 packets with said list;
13 a processor coupled to said first buffer, said
14 first memory segment and said second memory segment for
15 executing said program; and
16 an output means coupled to said first buffer for
17 forwarding said compared data packets to the second
18 network based on said comparison.
- 1 2. The apparatus of claim 1, further comprising a
2 second buffer for storing said compared data packets
3 prior to forwarding said compared data packets to the
4 second network.
- 1 3. The apparatus of claim 2, wherein said random
2 access memory comprises dynamic random access memory.
- 1 4. The apparatus of claim 3, further comprising a non-
2 volatile random access memory for storing parameters
3 used by said operating system program.
- 1 5. The apparatus of claim 4, further comprising means
2 for receiving an updated list of origination addresses.

1 6. The apparatus of claim 5, wherein said means for
2 receiving comprises an asynchronous terminal device and
3 a serial port coupled to said dynamic random access
4 memory.

1 7. The apparatus of claim 5, wherein said means for
2 receiving comprises a network interface card coupled to
3 said dynamic random access memory.

1 8. The apparatus of claim 1, wherein said first
2 network is a fixed wireless network, and said input
3 means comprises means for receiving said data packets
4 from said fixed wireless network.

1 9. The appartus of claim 1, wherein said output means
2 comprises means for forwarding data packets to a single
3 end user terminal.

1 10. The apparatus of claim 1, wherein said second
2 network is a local area network, and said output means
3 comprises means for forwarding data packets to a said
4 local area network.

1 11. An apparatus for filtering packets sent from a
2 first network to a device, comprising:
3 an input means coupled to said first network for
4 receiving data packets from the first network, said data
5 packets having an origination address;
6 a first buffer coupled to said input means for
7 storing said received packet;
8 a first memory segment containing a list of
9 origination addresses;
10 a second memory segment for storing a program for
11 comparing origination addresses for said received data
12 packets with said list;
13 a processor coupled to said first buffer, said
14 first memory segment and said second memory segment for
15 executing said program; and
16 an output means coupled to said first buffer for
17 forwarding said compared data packets to the device
18 based on said comparison.